

Systems of Equations

Solve by elimination.

1. $x + y = 2$
 $x - y = 4$ (__, __)

4. $2x + 3y = 6$
 $2x - 5y = 22$ (__, __)

2. $2x + 3y = 9$
 $5x - 3y = 5$ (__, __)

5. $2x + 3y = 8$
 $3x + y = 5$ (__, __)

3. $3x + y = 9$
 $2x + y = 1$ (__, __)

6. $2x + y = 3$
 $7x - 4y = 18$ (__, __)

Systems of Inequalities

Solve by graphing.

7. Which quadrant does NOT contain the solution?
 $y > x - 4$
 $y < -x - 1$

8. Which quadrant does NOT contain the solution?
 $y < 1/2x + 4$
 $y < 2x - 1$

9. If (0,0) is a solution to the system, which is true about a and b?
 $y < -x + a$ a. $b > a$
 $y > x + b$ b. $a = -b$
 c. $a > b$

10. Which point is in the solution for the system?
 $y > -x - 2$ a. (2, -3)
 $y > x + 1$ b. (-2, 3)
 c. (-2, -3)